

What is claimed is:

1. A personal gas supply delivery system comprising:  
a moisturizing vessel, for when in use, having the capability to contain a liquid  
to provide a source of moisture to increase the amount of moisture  
in a gas passing through the liquid,  
*Sub D 1*  
5 said moisturizing vessel having a first opening for receiving an influent gas,  
said moisturizing vessel having a second opening for an effluent gas,  
a first conduit connected with said second opening, said first conduit for when  
in use, for receiving the effluent gas,  
10 a gas flow alarm connected with said first conduit, and  
a second conduit connected with said gas flow alarm, said second conduit in fluid  
communication with said first conduit,  
said gas flow alarm for determining the instantaneous pressure differential of the influent gas  
and the effluent gas.

15 *Sub C 11* 2. The personal gas supply delivery system according to claim 1 wherein said second  
conduit is further connected with a gas distributive device, said gas distributive device for  
receiving the effluent gas and distributing the effluent gas to a subject desiring to receive the  
effluent gas.

- 20 *Sub C 2* 3. The personal gas supply delivery system according to claim 1 wherein the gas  
flow alarm is set to alert a subject desiring to receive the effluent gas when the pressure  
differential of the influent gas and the effluent gas has met at least one predetermined setting.

- 25 4. The personal gas supply delivery system according to claim 1 wherein the gas flow alarm is  
set to alert the recipient of the effluent gas by at least one of an audible signal, a visual signal, and a  
vibratory signal.

- 30 *Sub D 3* 5. The personal gas supply delivery system according to claim 1 wherein the gas  
flow alarm is set to alert a subject desiring to receive the effluent gas when the pressure differential

*Sub D 3*  
of the influent gas and the effluent gas has met at least one predetermined setting and the alerting of the subject is by visible light.

- 5     6. The personal gas supply delivery system according to claim 1 wherein the gas flow alarm is set to alert a subject desiring to receive the effluent gas when the pressure differential of the influent gas and the effluent gas has met at least one predetermined setting and the alerting of the subject is audible.
- 10    7. The personal gas supply delivery system according to claim 1 further comprising a reset or test feature.
- 15    8. The personal gas supply delivery system according to claim 7 wherein the gas flow alarm has an anterior surface including an alarm reset or test feature located substantially flush with or below the said anterior surface.
- 20    9. The personal gas supply delivery system according to claim 1 wherein the gas flow alarm is set to alert a second person by means of a transmitter and a receiver that the pressure or volume per unit of time of the influent gas and the effluent gas has met at least one predetermined setting.
- 25    10. The personal gas supply delivery system according to claim 9 wherein the second person is alerted by a radio signal.
- 30    11. A personal gas supply delivery system comprising:  
          a moisturizing vessel, for when in use, having the capability to contain a liquid  
          to provide a source of moisture to increase the amount of moisture  
          in a gas passing through the liquid,  
          said moisturizing vessel having a first opening for receiving an influent gas,  
          said moisturizing vessel having a second opening for an effluent gas,  
          a first conduit connected with said second opening, said first conduit for when  
          in use, for receiving the effluent gas,

*Sub D4*

a gas flow alarm connected with said first conduit, and  
a second conduit connected with said gas flow alarm, said second conduit in fluid  
communication with said first conduit,  
said gas flow alarm for determining an instantaneous difference in the volume of the influent  
5 gas per unit of time and the volume of the effluent gas per unit of time.

*Sub C (27)*

12. The personal gas supply delivery system according to claim 11 wherein said second conduit  
is further connected with a gas distributive device, said gas distributive device for receiving the  
effluent gas and distributing the effluent gas to a subject desiring to receive the effluent gas.

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13. The personal gas supply delivery system according to claim 11 wherein the gas flow alarm is  
set to alert a subject desiring to receive the effluent gas when an instantaneous difference in the  
volume of the influent gas per unit of time and the volume of the effluent gas per unit of time has met  
at least one predetermined setting.

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14. The personal gas supply delivery system according to claim 11 wherein the gas flow alarm is  
set to alert the recipient of the effluent gas by at least one of an audible signal, a visual signal, and a  
vibratory signal.

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*Sub D5*

15. The personal gas supply delivery system according to claim 11 wherein the gas flow alarm is  
set to alert a subject desiring to receive the effluent gas when the volume differential of the influent  
gas and the effluent gas has met at least one predetermined setting and the alerting of the subject is  
by visible light.

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16. The personal gas supply delivery system according to claim 11 wherein the gas flow alarm  
is set to alert a subject desiring to receive the effluent gas when the volume differential of the influent  
gas and the effluent gas has met at least one predetermined setting and the alerting of the subject is  
audible.

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17. The personal gas supply delivery system according to claim 1 further comprising a reset or

test feature.

18. The personal gas supply delivery system according to claim 11 wherein the gas flow alarm has an anterior surface including an alarm reset or test feature located substantially flush with said anterior 5 surface.

- Sub D*  
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19. The personal gas supply delivery system according to claim 18 wherein the gas flow alarm is set to alert a second person by means of a transmitter and a receiver that the pressure differential or the volume differential per unit of time of the influent gas and the effluent gas has met at least one predetermined setting.

- Sub C 13*  
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20. The personal gas supply delivery system according to claim 7 wherein the second person is alerted by a radio signal.

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21. A personal gas supply delivery alarm system comprising:  
a first conduit, for when in use receiving a supply of a gas at a first pressure from a first gas supply line,  
said first conduit connected with a gas flow alarm, said gas flow alarm for when in use for determining an instantaneous difference in the pressure or volume of the gas per unit of time and the volume of the effluent gas per unit of time,  
a second conduit connected with said gas flow alarm, for when in use receiving the supply of gas through said gas flow alarm,  
said first conduit having a first connector, for when in use providing a detachable airtight seal with a compatible connector on the gas supply line, said first connector located distally from said gas flow alarm, and  
said second conduit having a second connector, for when in use providing a detachable airtight seal with a compatible connector on a second gas supply line, said second connector located distally from said gas flow alarm.  
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- 30 22. The personal gas supply delivery system according to claim 21 wherein said second conduit

is further connected with a gas distributive device, said gas distributive device for receiving the gas and distributing the gas to a subject desiring to receive the gas.

*Silv  
C 14  
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23. The personal gas supply delivery system according to claim 21 wherein the gas flow alarm is set to alert a subject desiring to receive the gas when an instantaneous difference in the volume of the influent gas per unit of time and the volume of the effluent gas per unit of time has met at least one predetermined setting.

10 24. The personal gas supply delivery system according to claim 21 wherein the gas flow alarm is set to alert a subject desiring to receive the gas when the pressure of the gas has met at least one predetermined setting.

*Silv  
C 15*  
25. The personal gas supply delivery system according to claim 21 wherein the gas flow alarm is set to alert the recipient of the gas by at least one of an audible signal, a visual signal, and a vibratory signal.

20 26. The personal gas supply delivery system according to claim 21 wherein the gas flow alarm is set to alert a subject desiring to receive the effluent gas when the volume of the gas or the pressure of the gas has met at least one predetermined setting.

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5/24/02*  
27 28. The personal gas supply delivery system according to claim 21 wherein the gas flow alarm is set to alert a second person by means of a transmitter and a receiver that the pressure or the volume per unit of time of the gas has met at least one predetermined setting.

25 28 29. The personal gas supply delivery system according to claim 21 further comprising a reset or test feature.

*Silv  
C 30*  
29 30. The personal gas supply delivery system according to claim 29 wherein the gas flow alarm has an anterior surface including an alarm reset or test feature located substantially flush with said anterior surface.